

FIG. 3

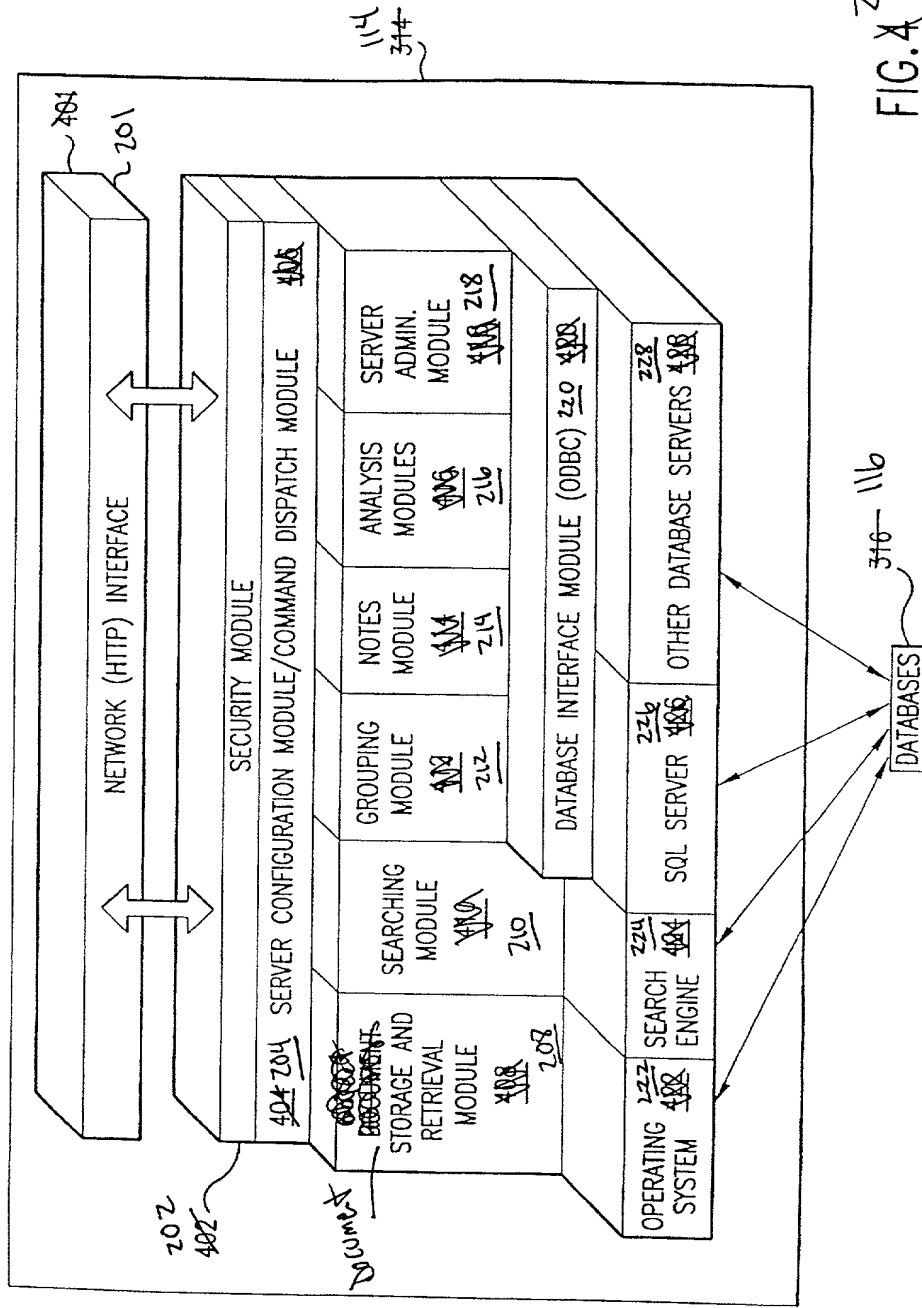


FIG. 4

FIG. 6

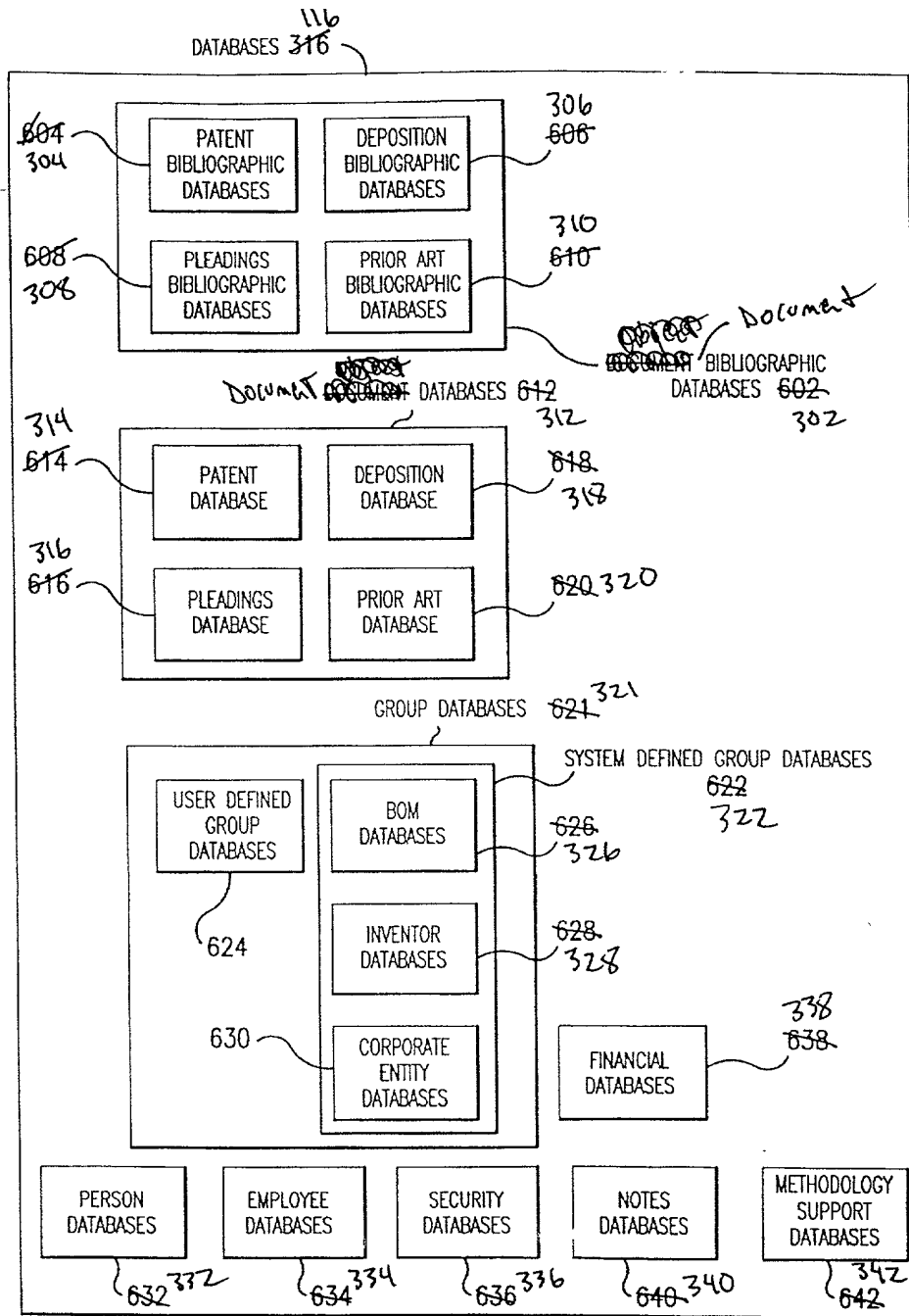


FIG. 6
3

ANALYSIS MODULES 416
216

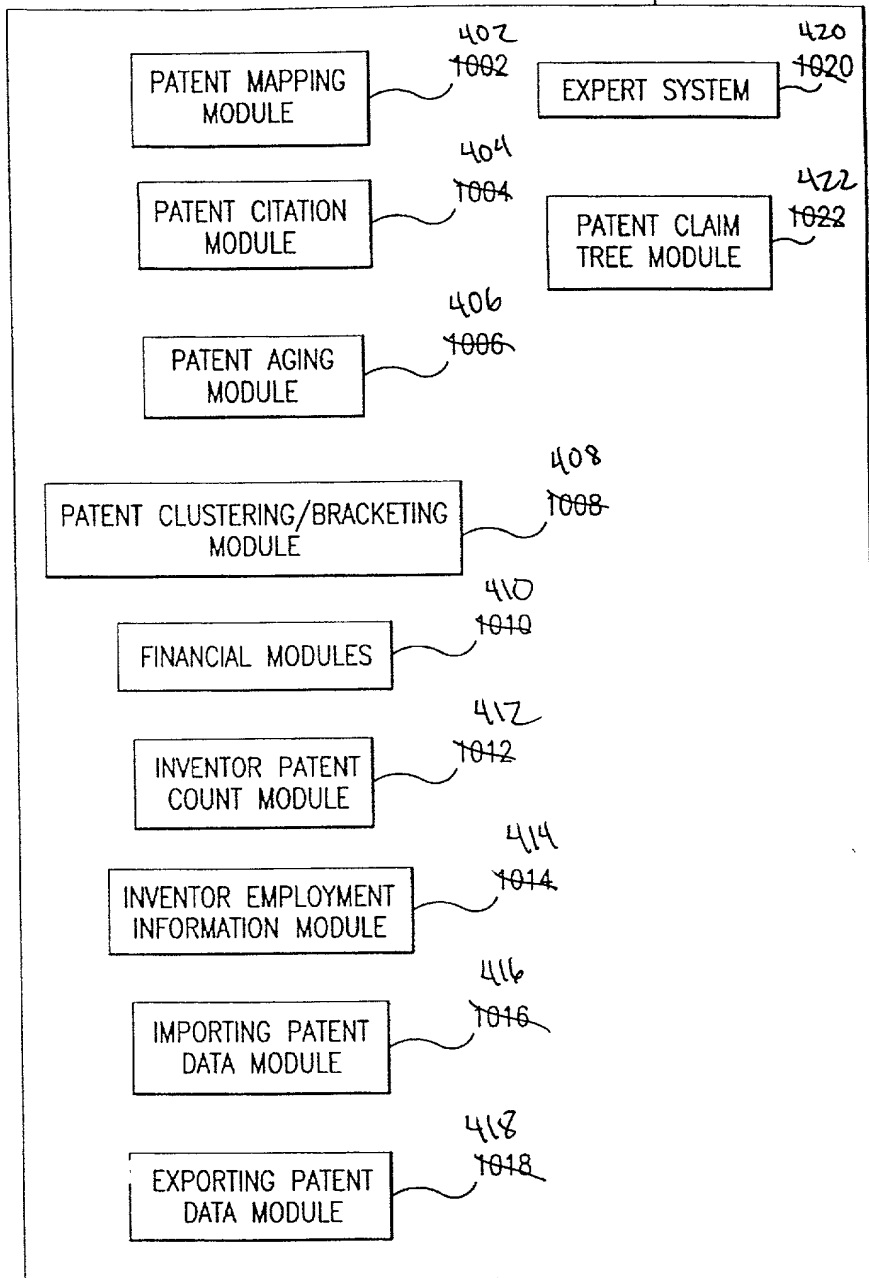
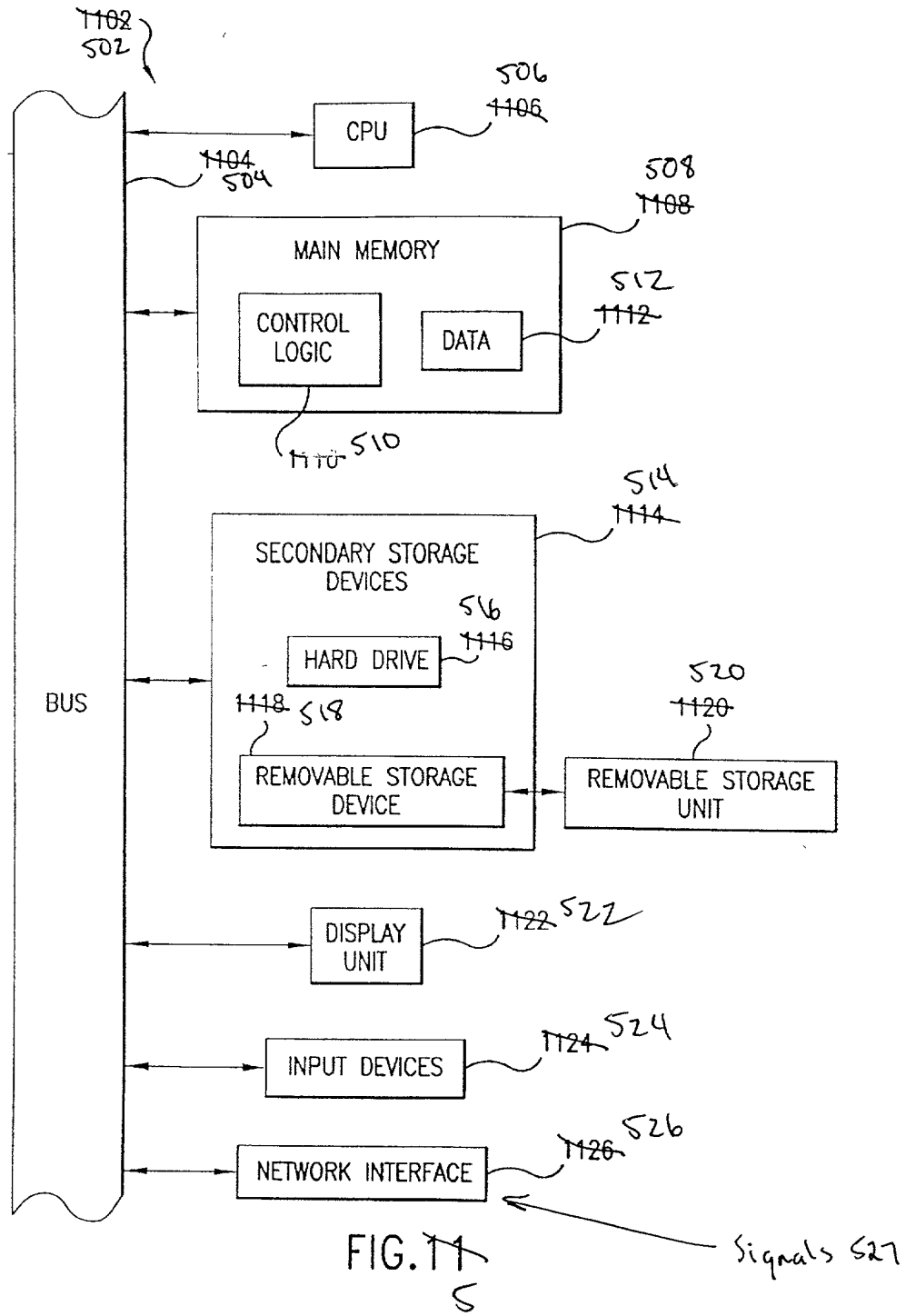


FIG. 10
4

FIG. 11



602

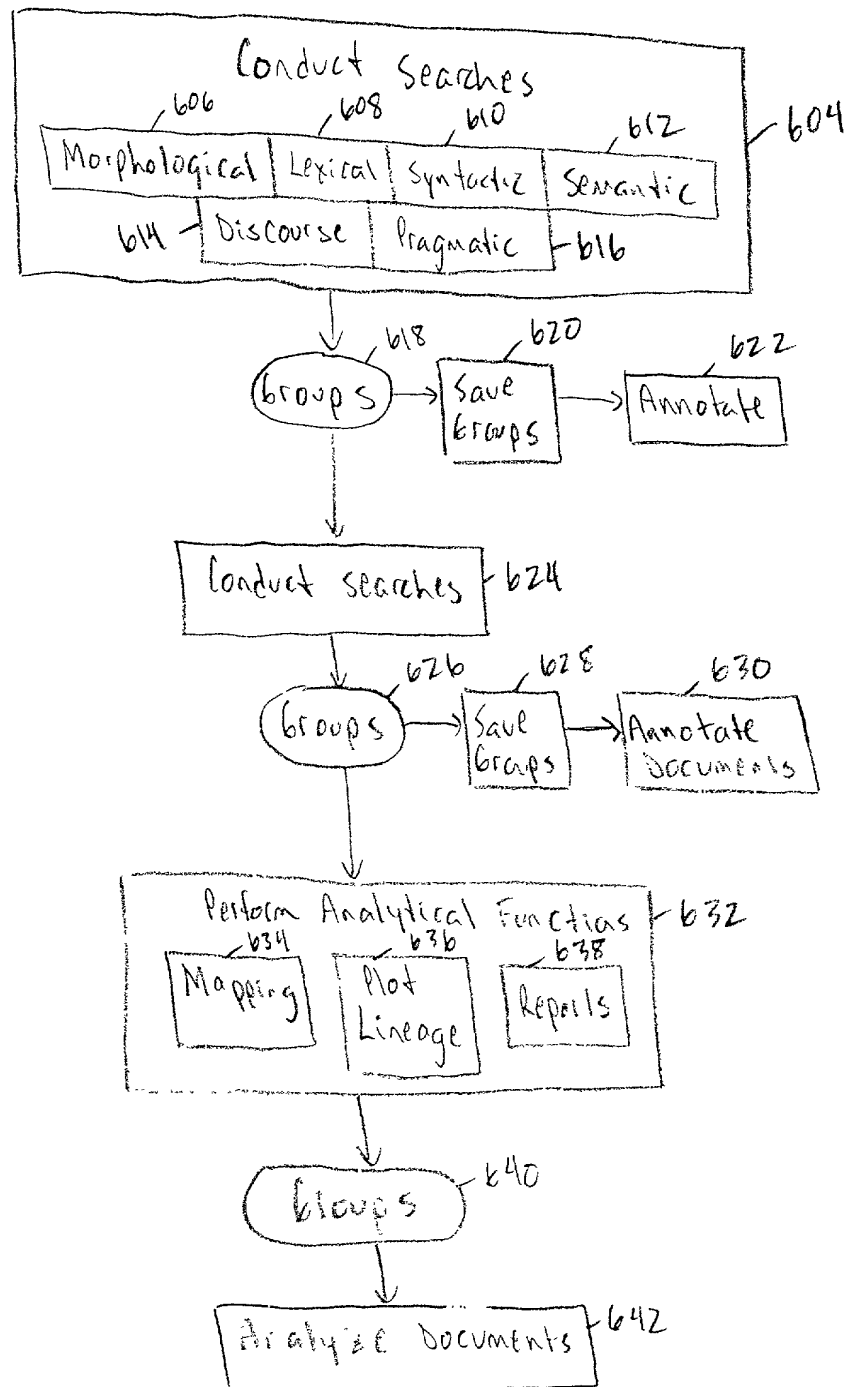


FIG. 6

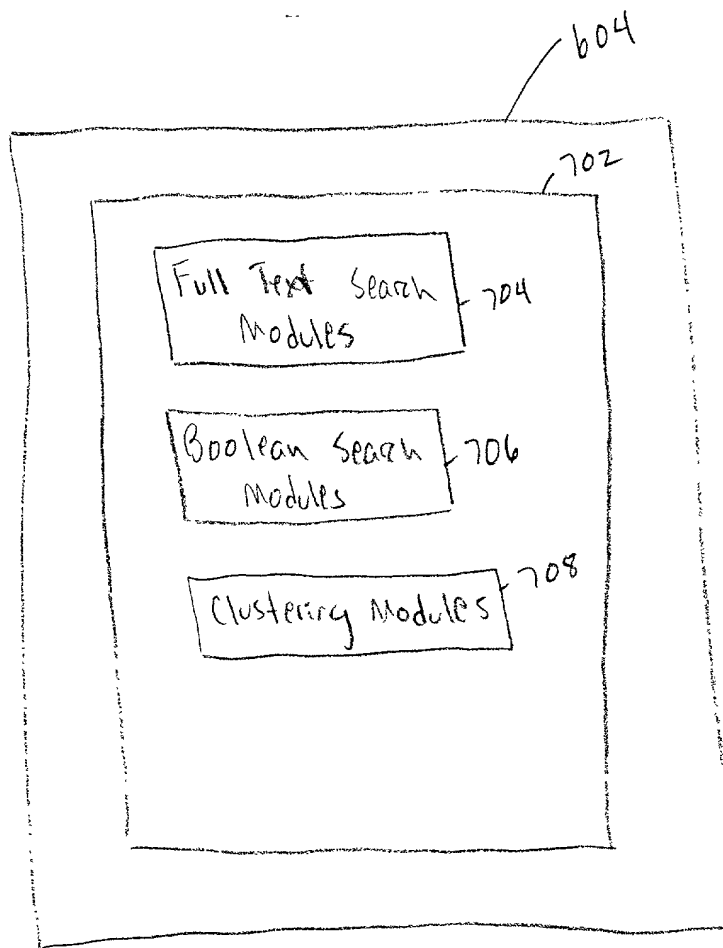


FIG. 7

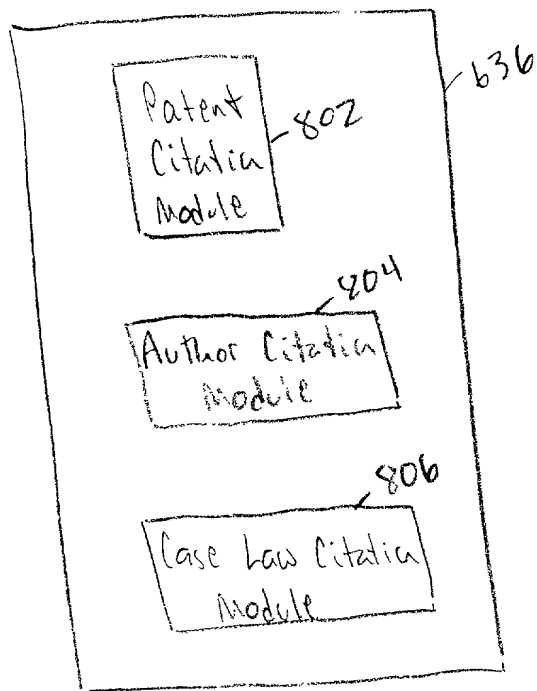


FIG. 8

902

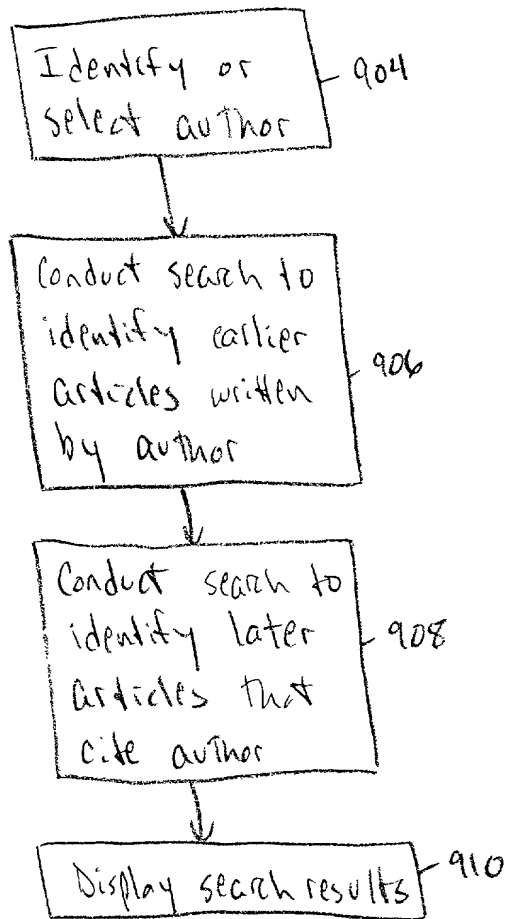


FIG. 9

1002

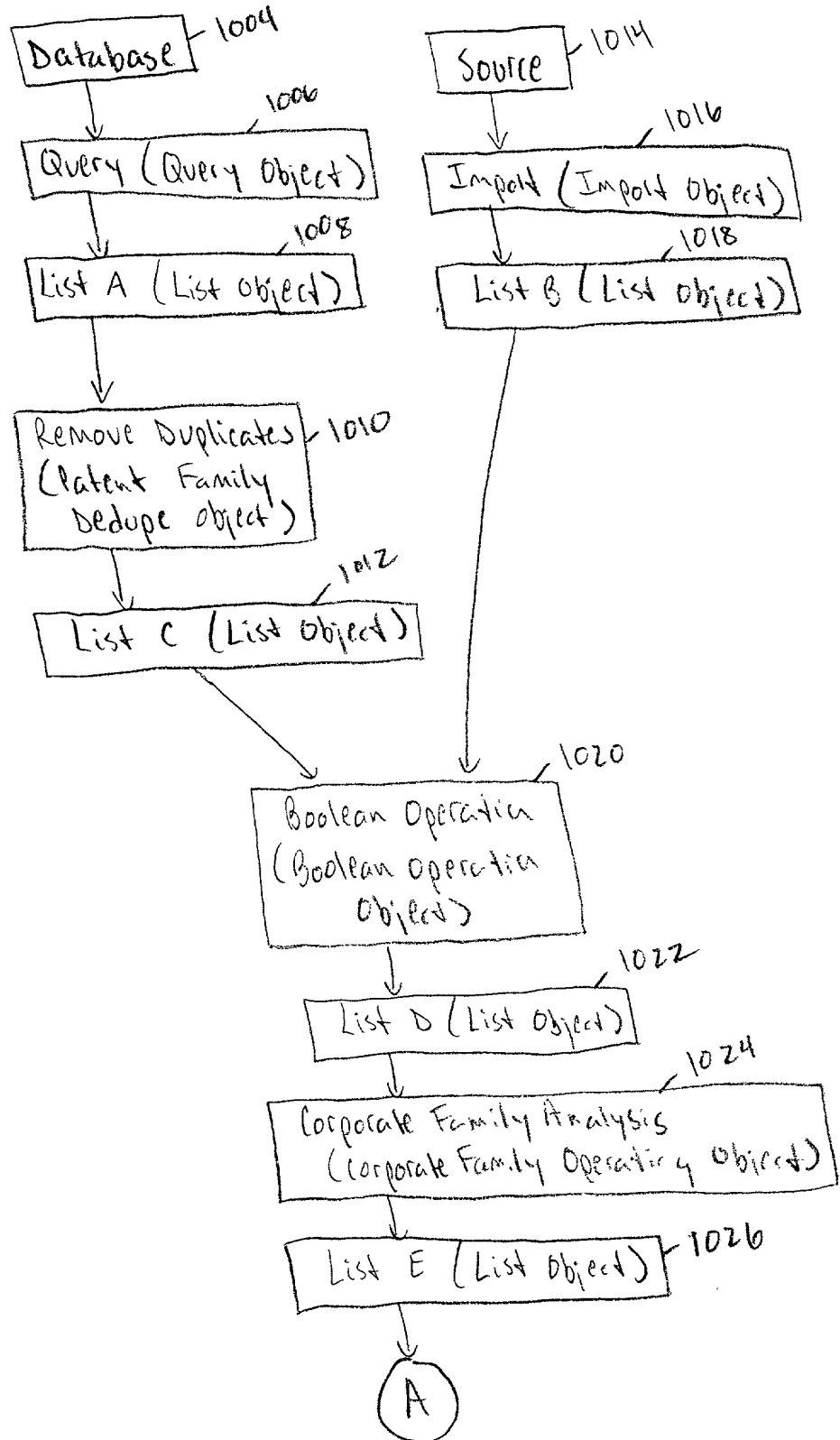


FIG. 10A

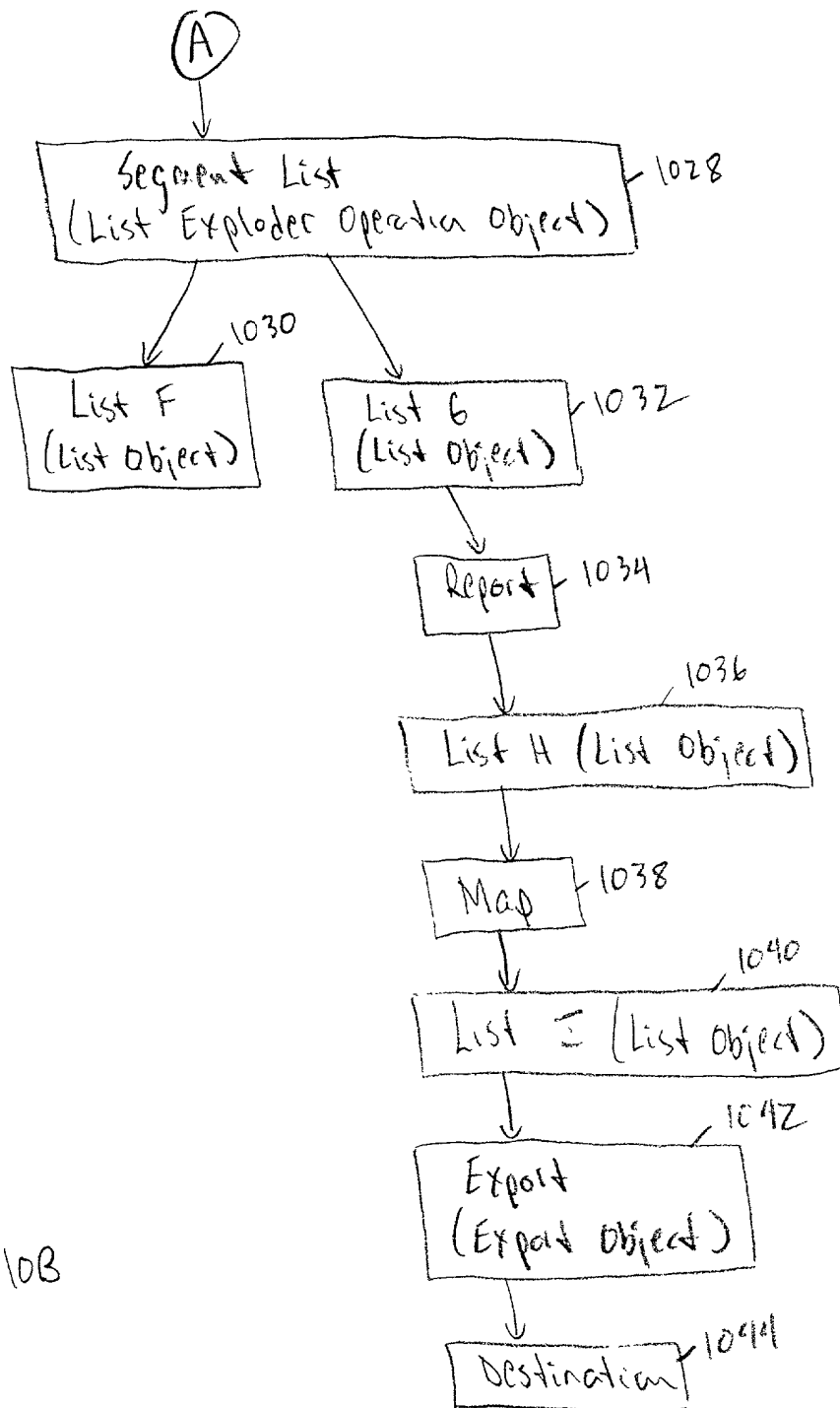


FIG. 10B

1102

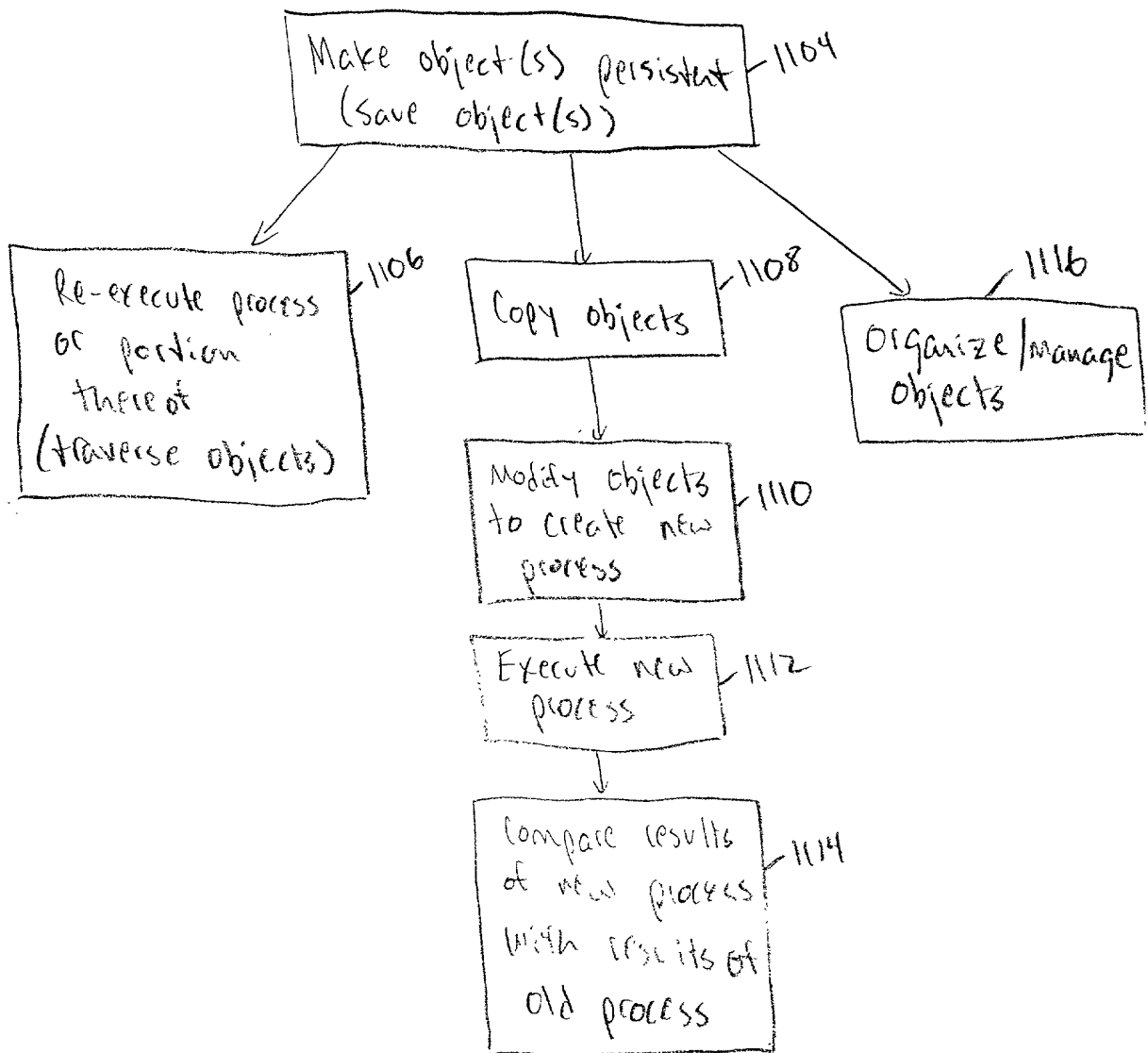
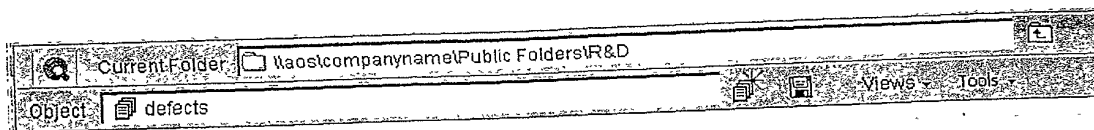
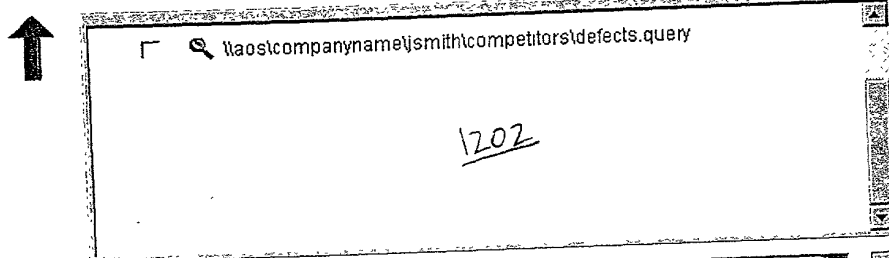


FIG. 11



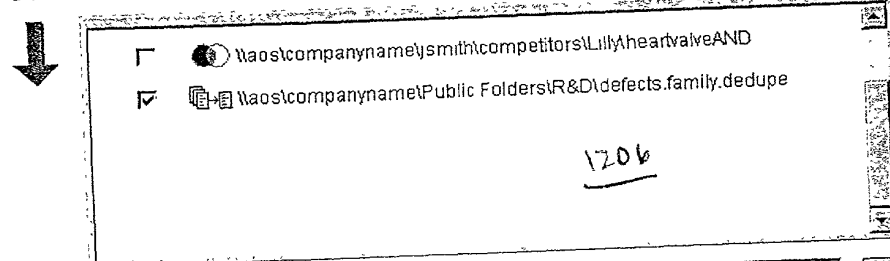
DOCUMENT LIST
CONNECTIONS VIEW

Upstream Connections:



New Connection:

Downstream Connections:



New Connection:

FIG. 12

Current folder: \aos\companyname\smith\competitors

Object: NewQuery.qry

Views Tools Search

1312

QUERY OBJECT

Trigger Type

1302

- ☐ Manual
- ☒ Event-Based
- ☐ Time-Based

Start Trigger:

Tue 3/27/2001

1304

End Trigger:

1306

- ☐ No end date
- ☒ End after: 10 occurrences
- ☐ End by: Thu 4/5/2001

Event-Based Trigger:

Trigger on Change to:

- ☐ Database Aurigin Patent Database
- ☒ Object \aos\companyname\Public Folders\R&D\newproj.lst

1308

Time-Based Trigger

- ☒ Daily
 - ☒ Every 1 day(s)
 - ☐ Every weekday
- ☐ Weekly
 - Trigger every 1 week(s) on:
 - ☐ Sunday
 - ☐ Monday
 - ☒ Tuesday
 - ☐ Wednesday
 - ☐ Thursday
 - ☐ Friday
 - ☐ Saturday
- ☐ Monthly
 - ☒ Day 27 of every 1 month(s)
 - ☐ The fourth Tuesday of every 1 month(s)

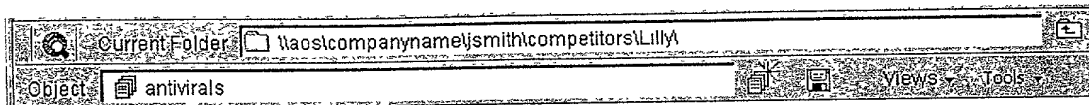
1310

Save

Cancel

FIG. 13

"070390" 2484860



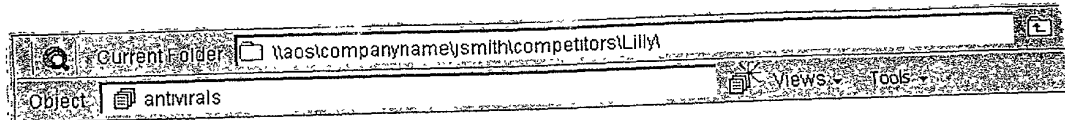
DOCUMENT LIST
ATTRIBUTE VIEW

Object Type	Document List
Path\Name	\\aos\companyname\jsmith\competitors\Lilly\antivirals
Object ID	list549
Description	all Lilly antiviral patents/apps worldwide
Object Version	1.0
Owner	jsmith
Create Date	Feb 23 2001
Modification Date	Feb 27 2001

Save Description

View Change History

FIG. 14



MODIFICATION HISTORY VIEW

Date	User	Modification Type
2/23/2001	administrator	Object created
		Object Type = List
		Name = product group 1
		Path = \\aos\companyname\competitors\Lilly\
		Owner = administrator
		Object Version = 1.0
2/23/2001	administrator	Name changed
		Name = antivirals
2/23/2001	administrator	Path changed
		Path = \\aos\companyname\smith\competitors\Lilly\
2/23/2001	administrator	Object Description changed
2/23/2001	administrator	Owner changed
		Owner = jsmith
2/27/2001	administrator	Object version updated
		Object Version = 2.0
2/27/2001	jsmith	Permissions changed
2/27/2001	jsmith	Annotations changed
2/27/2001	jsmith	Contents added
2/27/2001	jsmith	Contents deleted
2/27/2001	jsmith	Contents modified
3/5/2001	tjones	Object copied
		Name = Lilly-Antivirals
		Path = \\aos\companyname\tjones\competitors
		Owner = tjones

FIG. 15

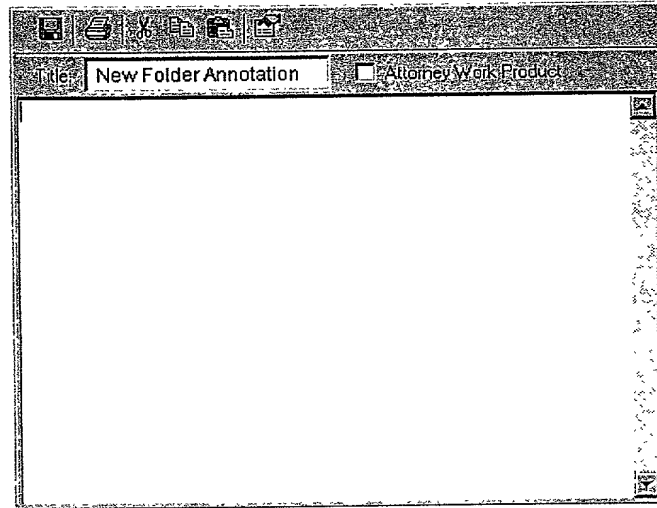
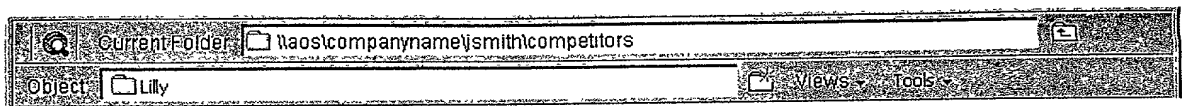


FIG. 16



BOOLEAN OBJECT
MAIN VIEW

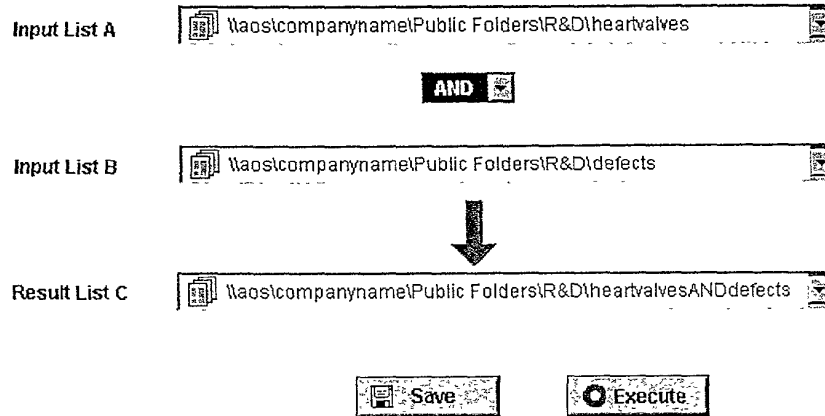
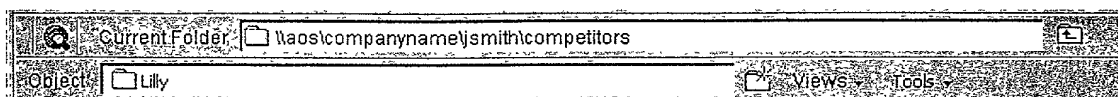


FIG. 17



CONTENT VIEW

- anti-ulcer
- anti-virals
- hypertension
- 2000.0712.uspto.Black Ice Software.TIFF.viewer.htm
- 2000.0721.uspto.record counts.bob.doc
- 2000.0811.uspto.Post Issuance.bob.xls
- 2000.1102.us.expirations.Arno's Memo (AIPA).doc
- 2000.1103.IFI.uspto.Post Issuance.bob.xls
- uspto.contacts.doc
- uspto.redbook.format.defn.02part1.pdf
- uspto.redbook.format.defn.appendix.F.08appf.pdf

FIG. 18

Current Folder: Naostcompanyname\smith\competitors\JillyA

Object: antivirals

Views Tools

LIST OBJECT
LIST DISPLAY OPTIONS VIEW

Default View

☒ Short List View

☐ Full List View

☐ Abstract List View

☐ Shoebox List View

Documents Per Page

30

10

5

1

Content Change Type

☒ Auto-Change

☐ Pending-Change

Show Documents with Document Status.

☐ Active

☒ Deleted

☐ Pending-Add

☒ Pending-Delete

Sort List by

Assignee

☒ Ascending

☐ Descending

Then by

IPC Code

☒ Ascending

☐ Descending

Then by

Priority Date

☒ Ascending

☐ Descending

Show Document View Links

☐ Standard View

☒ Fulltext View

☒ Claims View

☒ Aurigin Family View

☐ Derwent Family View

☒ Summary Page View

☒ PDF Image View

☒ HTML Image View

Show Fields:

Short List View	Full List View	Abstract List View	Shoebox List View
<input checked="" type="checkbox"/> Country Code	<input checked="" type="checkbox"/> Country Code	<input checked="" type="checkbox"/> Country Code	<input checked="" type="checkbox"/> Country Code
<input checked="" type="checkbox"/> Kind Code	<input checked="" type="checkbox"/> Kind Code	<input checked="" type="checkbox"/> Kind Code	<input checked="" type="checkbox"/> Kind Code
<input checked="" type="checkbox"/> Doc ID	<input checked="" type="checkbox"/> Doc ID	<input checked="" type="checkbox"/> Doc ID	<input checked="" type="checkbox"/> Doc ID
<input checked="" type="checkbox"/> Title	<input checked="" type="checkbox"/> Title	<input checked="" type="checkbox"/> Title	<input checked="" type="checkbox"/> Title
<input checked="" type="checkbox"/> Priority Date	<input checked="" type="checkbox"/> Priority Date	<input checked="" type="checkbox"/> Priority Date	<input checked="" type="checkbox"/> Priority Date
<input checked="" type="checkbox"/> Filing Date	<input checked="" type="checkbox"/> Filing Date	<input checked="" type="checkbox"/> Filing Date	<input checked="" type="checkbox"/> Filing Date
<input checked="" type="checkbox"/> Publication Date	<input checked="" type="checkbox"/> Publication Date	<input checked="" type="checkbox"/> Publication Date	<input checked="" type="checkbox"/> Publication Date
<input checked="" type="checkbox"/> Assignees	<input checked="" type="checkbox"/> Assignees	<input checked="" type="checkbox"/> Assignees	<input checked="" type="checkbox"/> Assignees
<input checked="" type="checkbox"/> Inventors	<input checked="" type="checkbox"/> Inventors	<input checked="" type="checkbox"/> Inventors	<input checked="" type="checkbox"/> Inventors
<input checked="" type="checkbox"/> IPC Code	<input checked="" type="checkbox"/> IPC Code	<input checked="" type="checkbox"/> IPC Code	<input checked="" type="checkbox"/> IPC Code
<input checked="" type="checkbox"/> USPC Code	<input checked="" type="checkbox"/> USPC Code	<input checked="" type="checkbox"/> USPC Code	<input checked="" type="checkbox"/> USPC Code
<input checked="" type="checkbox"/> Legal Status	<input checked="" type="checkbox"/> Legal Status	<input checked="" type="checkbox"/> Legal Status	<input checked="" type="checkbox"/> Legal Status
<input checked="" type="checkbox"/> Doc Status	<input checked="" type="checkbox"/> Doc Status	<input checked="" type="checkbox"/> Doc Status	<input checked="" type="checkbox"/> Doc Status
<input checked="" type="checkbox"/> Change Source	<input checked="" type="checkbox"/> Change Source	<input checked="" type="checkbox"/> Change Source	<input checked="" type="checkbox"/> Change Source
<input checked="" type="checkbox"/> Status Change Date	<input checked="" type="checkbox"/> Status Change Date	<input checked="" type="checkbox"/> Status Change Date	<input checked="" type="checkbox"/> Status Change Date
<input checked="" type="checkbox"/> Doc View Links	<input checked="" type="checkbox"/> Doc View Links	<input checked="" type="checkbox"/> Doc View Links	<input checked="" type="checkbox"/> Doc View Links
<input checked="" type="checkbox"/> Abstract	<input checked="" type="checkbox"/> Abstract	<input checked="" type="checkbox"/> Abstract	<input checked="" type="checkbox"/> Abstract
<input checked="" type="checkbox"/> Front Page Thumbnail	<input checked="" type="checkbox"/> Front Page Thumbnail	<input checked="" type="checkbox"/> Front Page Thumbnail	<input checked="" type="checkbox"/> Front Page Thumbnail
<input checked="" type="checkbox"/> Primary Drawing	<input checked="" type="checkbox"/> Primary Drawing	<input checked="" type="checkbox"/> Primary Drawing	<input checked="" type="checkbox"/> Primary Drawing

Save Cancel

List Content Views: Short Full Abstract Shoebox

FIG. 19

Current Folder: \\naos\companyname\smith\competitors\Lilly

Object: antivirals Views: Tools:

LIST OBJECT
SHORT LIST VIEW

List Content Views. Short Full Abstract Shoebox

Set View Options

150 Documents

Results 1-20

Page 1 of 8 Go

Prev | Next

	Select	Country Code	Doc ID	Doc Kind	Title	Pub Date	Status	Status Change Date	Change Source	View Document
1	<input checked="" type="checkbox"/>	US	3883561	A1	Antibiotic lactones	5/13/1975	A	2/24/2001	Query549	T C
2	<input checked="" type="checkbox"/>	US	3903371	A1	Mycophenolic acid derivatives	9/2/1975	A	2/24/2001	Query549	T C
3	<input checked="" type="checkbox"/>	US	3990527	A1	Anti-viral method in animals	11/30/1976	PA	3/7/2001	Query549	T C
4	<input checked="" type="checkbox"/>	US	4035481	A1	Antibiotic A-28086 and process f	7/12/1977	A	2/24/2001	Book123	T C
5	<input checked="" type="checkbox"/>	US	4053698	A1	Acylation of pyrazofurin	10/11/1977	PD	3/7/2001	Query549	T C
6	<input checked="" type="checkbox"/>	US	4085224	A1	Method of increasing feed utiliza	4/18/1978	PA	3/7/2001	Query549	T C
7	<input checked="" type="checkbox"/>	US	4115197	A1	Procedure for obtaining penicilli	9/19/1978	A	2/24/2001	Query549	T C
8	<input checked="" type="checkbox"/>	US	4133876	A1	Antibiotic A-32887 and process f	1/9/1979	D	2/28/2001	Manual	T C
9	<input checked="" type="checkbox"/>	US	4141907	A1	Decoxynarasin antibiotics	2/27/1979	A	2/24/2001	Query549	T C
10	<input checked="" type="checkbox"/>	US	4153695	A1	Substituted 2,3-dihydro imidazo[1	5/8/1979	A	2/24/2001	Book123	T C
11	<input checked="" type="checkbox"/>	US	3883561	A1	Antibiotic lactones	5/13/1975	A	2/24/2001	Query549	T C
12	<input checked="" type="checkbox"/>	US	3903371	A1	Mycophenolic acid derivatives	9/2/1975	A	2/24/2001	Query549	T C
13	<input checked="" type="checkbox"/>	US	3990527	A1	Anti-viral method in animals	11/30/1976	PA	3/7/2001	Query549	T C
14	<input checked="" type="checkbox"/>	US	4035481	A1	Antibiotic A-28086 and process f	7/12/1977	A	2/24/2001	Query549	T C
15	<input checked="" type="checkbox"/>	US	4053698	A1	Acylation of pyrazofurin	10/11/1977	D	2/28/2001	Manual	T C
16	<input checked="" type="checkbox"/>	US	4085224	A1	Method of increasing feed utiliza	4/18/1978	D	3/28/2001	Manual	T C
17	<input checked="" type="checkbox"/>	US	4115197	A1	Procedure for obtaining penicilli	9/19/1978	D	2/28/2001	Book123	T C
18	<input checked="" type="checkbox"/>	US	4133876	A1	Antibiotic A-32887 and process f	1/9/1979	A	2/24/2001	Query549	T C
19	<input checked="" type="checkbox"/>	US	4141907	A1	Decoxynarasin antibiotics	2/27/1979	A	2/24/2001	Query549	T C
20	<input checked="" type="checkbox"/>	US	4153695	A1	Substituted 2,3-dihydro imidazo[1	5/8/1979	A	2/24/2001	Query549	T C

Select All

Deselect All

Accept Selected Pending

X Delete Selected

150 Documents

Results 1-20

Page 1 of 8 Go

Prev | Next

FIG. 20

Current Folder: \aosl\companyname\smith\competitors\Lilly\

Object: antivirals Views Tools

LIST OBJECT
FULL LIST VIEW

List Content Views: [Short](#) [Full](#) [Abstract](#) [Shoebox](#)

[Set View Options](#)

150 Documents

Results 1-10

Page 1 of 15 [Go](#)

[Prev](#) | [Next](#)

	Select	Country Code	Doc ID	Doc Kind	Title	Assignees	Inventors	Pub Date	IPC Code	View Document
1	<input checked="" type="checkbox"/>	US	3883561	A1	Antibiotic lactones	Eli Lilly and Company	Michel, Karl H.; Hoehn, Marvin M.	5/13/1976	C07D /00	T C I D I D
2	<input checked="" type="checkbox"/>	US	3903371	A1	Mycophenolic acid derivatives	Eli Lilly and Company	Holmes, Richard E.	9/2/1975	[2] C07H /00	T C I D I D
3	<input checked="" type="checkbox"/>	US	3990527	A1	Anti-viral method in animals	Eli Lilly and Company	GALE, CHARLES, McDougal, Larry F.	11/30/1976	[2] A61K /68, [2] A61K /71	T C I D I D
4	<input checked="" type="checkbox"/>	US	4035481	A1	Antibiotic A-28086 and process for production thereof	Eli Lilly and Company	Berg, David H.; HAMILL, ROBERT L., Hoehn, Marvin M.	7/12/1977	[2] A61K /00	T C I D I D
5	<input checked="" type="checkbox"/>	US	4053698	A1	Synthesis of pyrazolone	Eli Lilly and Company	Gutowski, Gerald E.	10/11/1977	[2] C07D /40, [2] C07H /06, [2] C07D /38, [2] C07H /02	T C I D I D
6	<input checked="" type="checkbox"/>	US	4085224	A1	Method of increasing feed utilization	Eli Lilly and Company	Berg, David H.; HAMILL, ROBERT L., Hoehn, Marvin M.	4/19/1978	[2] A61K /35	T C I D I D
7	<input checked="" type="checkbox"/>	US	4115197	A1	Procedure for obtaining penicillium species mutants with improved ability to synthesize mycophenolic acid	Eli Lilly and Company	Queener, Stephen W., Nash, III, Claude H.	9/19/1978	[2] C12K /02; [2] C12D /10; [2] C12D /06	T C I D I D
8	<input checked="" type="checkbox"/>	US	4133576	A1	Antibiotic A-28086 and process for production thereof	Eli Lilly and Company	HAMILL, ROBERT L., Hoehn, Marvin M.	3/5/1979	[2] A61K /00	T C I D I D
9	<input checked="" type="checkbox"/>	US	4141907	A1	Deoxynarasin antibiotics	Eli Lilly and Company	Nakatsukasa, Walter M.; HAMILL, ROBERT L.; MARCONI, GARY G.; Neuss, Norbert	2/27/1979	[2] A61K /35; [2] C07D /22	T C I D I D
10	<input checked="" type="checkbox"/>	US	4153695	A1	Substituted 2,3-dihydro imidazo[1,2-c]pyrimidines	Eli Lilly and Company	Turner, William W.	5/8/1979	[2] A61K /505 [2] C07D /04	T C I D I D

[Select All](#)

[Deselect All](#)

[Accept Selected Pending](#)

[X Delete Selected](#)

150 Documents

Results 1-10

Page 1 of 15 [Go](#)

[Prev](#) | [Next](#)

FIG. 21



LIST OBJECT
SHOEBOX LIST VIEW

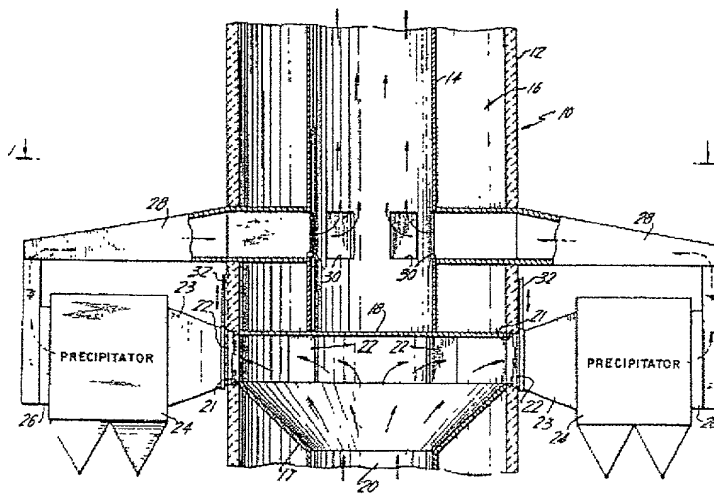
Document 1 of 27 Go

Prev | Next

☒ MULTIPLE UNIT PRECIPITATOR APPARATUS

Doc ID: US 3631655 A1
Assignee: Buell Engineering Company, Inc.
Pub Date: 01/04/1972

T | C | 



Select All

Deselect All

Accept Selected Pending

X Delete Selected

Document 1 of 27 Go

Prev | Next

List Content Views: [Short](#) [Full](#) [Abstract](#) [Shoebox](#)

[Set View Options](#)

FIG. 22

Current Folder: \aostcompanyname\smith\competitors

Object: NewQuery.qry Views Tools Search

Search Target

Database: Aurigin Patent Database

List: \aostcompanyname\Public Folders\R&D\newproj.lst

Document Type Granted Patents

	US	PCT	JP	EP	DE	GB	Global
Applications	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Granted Patents	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Match All Fields

Document ID

Entire Document hide text searching options

Title Only

Abstract Only

Claims Only

Assignee hide searchable patent fields

Inventor

Issue/Pub Date Any and (mm/dd/yyyy)

Filing Date Any and (mm/dd/yyyy)

US Class

Int'l Class

Search

FIG. 23

Current Folder: \aos\companyname\smith\competitors\Lilly
Object: Custom.family.deduper Views Tools Execute

PATENT FAMILY DEDUPE OBJECT
DOCUMENT RETENTION PRIORITY VIEW

Upstream (Input) List

\aos\companyname\Public Folders\R&D\newproj

Downstream (Output) List

\aos\companyname\Public Folders\R&D\newproj.deduped

Available document sources:

- Aurigin Family Record
- Derwent WPI Family Record
- DE Application
- DE Grant
- EP Application (PubLang = English)
- EP Grant (PubLang = English)
- FR Application
- FR Grant
- GB Application
- GB Grant
- JP Application
- JP Grant

Retain documents in this order:

- US Grant
- EP Grant (PubLang = English)
- GB Grant
- US Application
- EP Application (PubLang = English)
- WO Application (PubLang = English)
- GB Application
- JP Grant
- JP Application
- DE Grant
- DE Application
- FR Grant

Buttons: Add, Remove, Move Up, Move Down, OK, Cancel

Execute

FIG. 24

Current Folder: \aostcompanyname\smith\competitors\Lilly\

Object: Custom.family.deduper Views Tools

PATENT FAMILY DEDUPE OBJECT
FAMILY DEFINITION VIEW

Standard Family Definition:

- ☐ Inpadoc Family
- ☐ Derwent Family

Custom Family Definition:

- ☒ Identical Priority Family
- ☐ Priority-in-Common Family

Components for Custom Family Definitions:

Application Level:

- ☒ Application to Priority
- ☐ Continuation in Part to Application
- ☐ Post-Issuance to Application
(Supplemental Search Reports, Corrections, etc)
- ☒ Transfer of Application
(PCT Transfers (W1, W4), EPO National Application Transfers, etc)

Grant Level

- ☒ Grant to Application
- ☒ Reissue of Grant

Post-Grant Level:

- ☐ Post-Issuance to Grant
- ☐ Re-exam of Grant
- ☐ Certificate of Correction to Grant
- ☒ EP National Transfers (R1, R4) based on EP Regional Grant
- ☒ National Level Translations (T) based on EP Grant

Other Family Member Types:

- ☒ Technical Equivalent Family Member

FIG. 25

Current Folder: \\aos\companyname\smith\competitors\LillyA

Object: Custom.family.expander Views Tools Execute

PATENT FAMILY EXPAND OBJECT
DOCUMENT INCLUSION VIEW

Upstream (Input) List

\\aos\companyname\Public Folders\R&D\newproj

Downstream (Output) List

\\aos\companyname\Public Folders\R&D\newproj.expand

Document Types to Include

- ☐ Pseudo-Documents
- ☒ Primary Patent Documents
- ☐ Secondary Patent Documents

Standard Family Definition:

- ☐ Inpadoc Family
- ☐ Derwent Family

Custom Family Definition:

- ☒ Identical Priority Family
- ☐ Priority-in-Common Family

Components for Custom Family Definitions:

Application Level:

- ☒ Application to Priority
- ☐ Continuation in Part to Application
- ☐ Post-Issuance to Application
(Supplemental Search Reports, Corrections, etc)
- ☒ Transfer of Application
(PCT Transfers (W1, W4), EPO National Application Transfers, etc)

Grant Level:

- ☒ Grant to Application
- ☒ Reissue of Grant

Post-Grant Level:

- ☐ Post-Issuance to Grant
- ☐ Re-exam of Grant
- ☐ Certificate of Correction to Grant
- ☒ EP National Transfers (R1, R4) based on EP Regional Grant
- ☒ National Level Translations (T) based on EP Grant

Other Family Member Types:

- ☒ Technical Equivalent Family Member

Save

Execute

FIG. 26

aurigin
online

aurigin

log out

aureka online

aurigin patent search

training

resources

customer support

product info

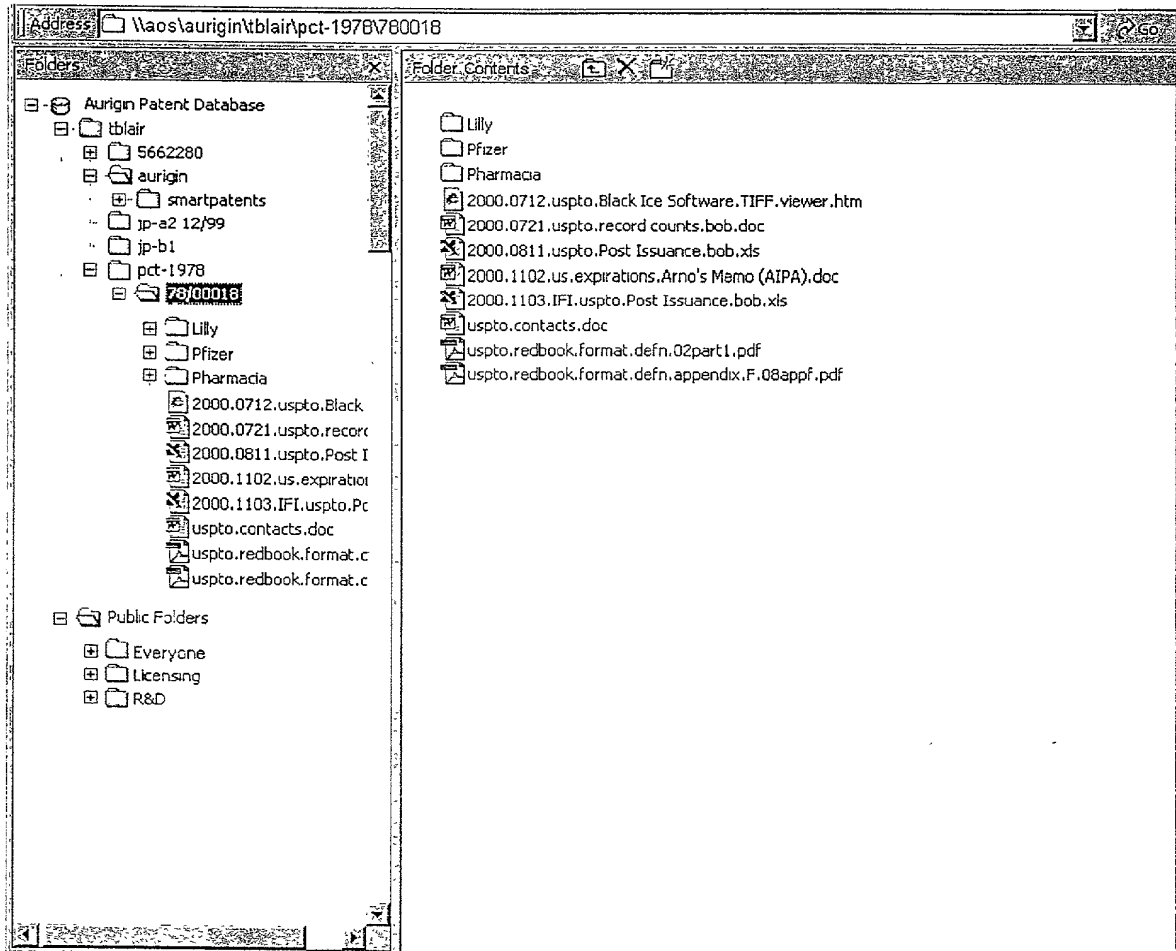


FIG. 27

2802

Database - 2804

=> upstream object ~2810

Query - 2806

List - 2808

=> downstream object ~2812

FIG. 28

2902

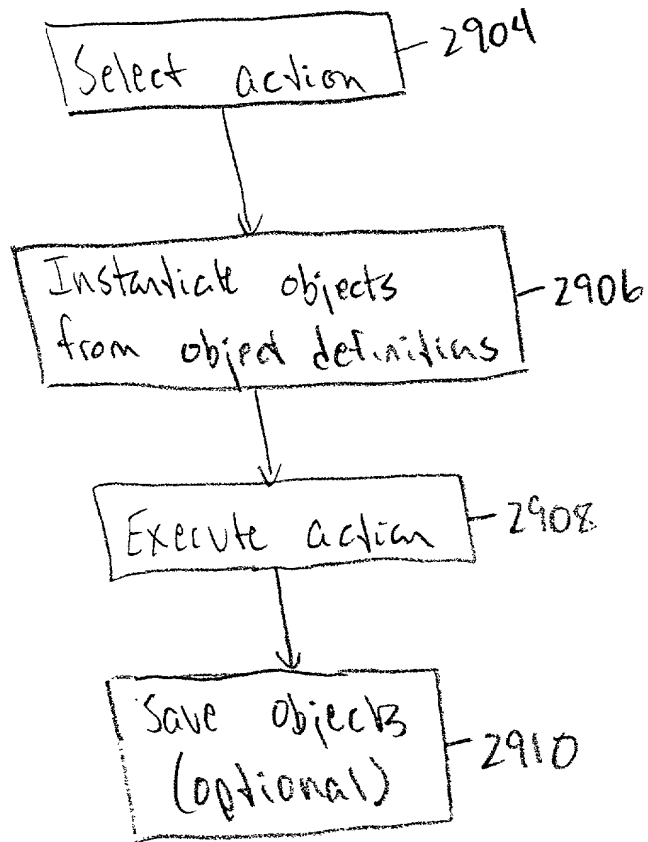


FIG. 29

Business Workflow and Analytics Portal (BWAP)

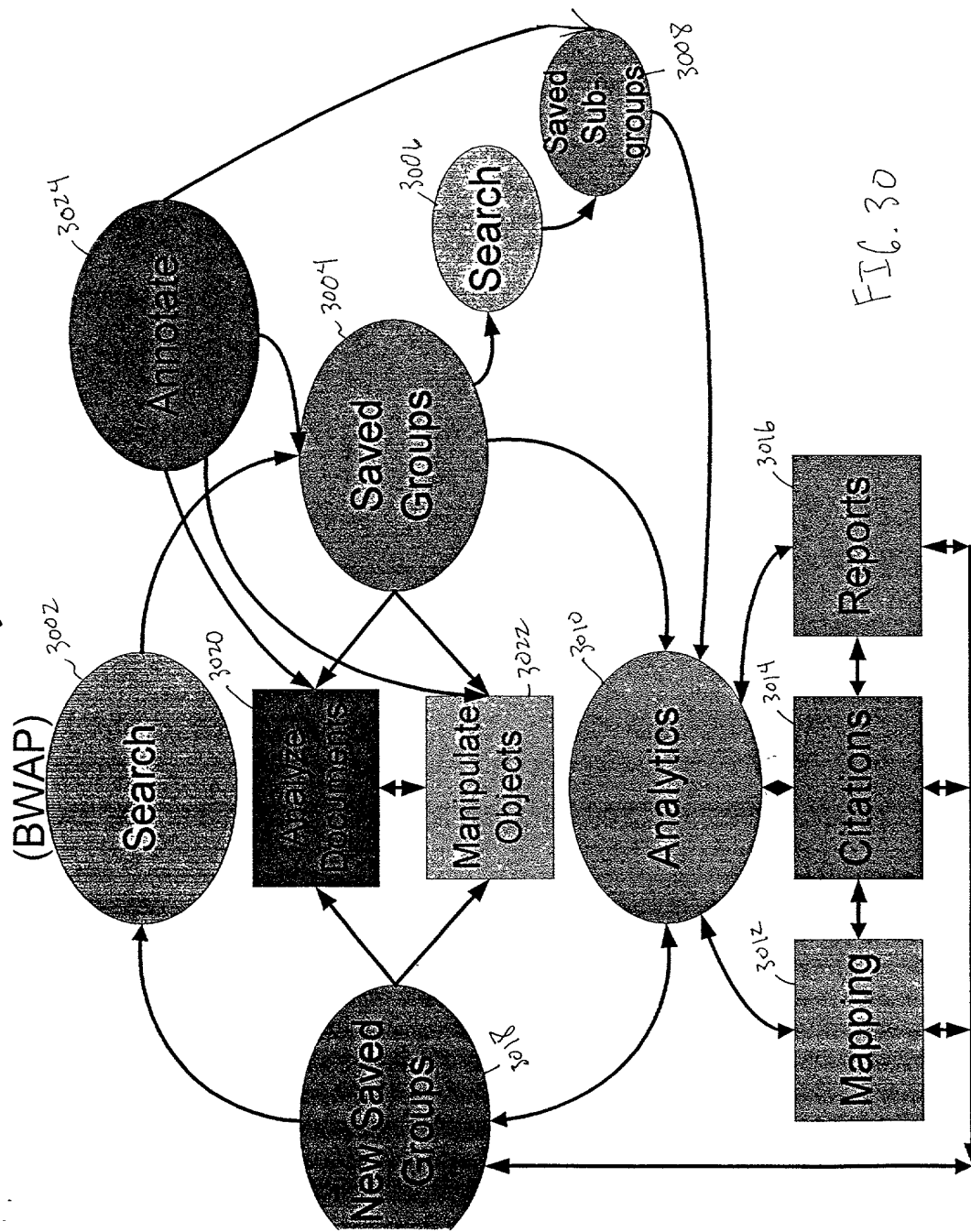


FIG. 30

3102
↓

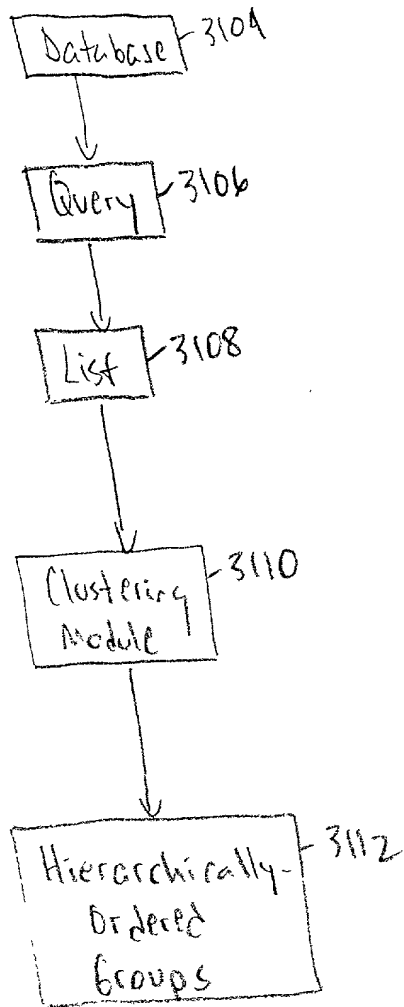


FIG. 31

CDMA ~ 3202

CDMA Technologies ~ 3204A

Code Division Multiple Access ~ 3204B

CDMA System ~ 3204C

Spread Spectrum ~ 3204D

Direct Marketing ~ 3204E

BSM ~ 3204F

WAP ~ 3204G

Industry ~ 3204H

FIG. 32

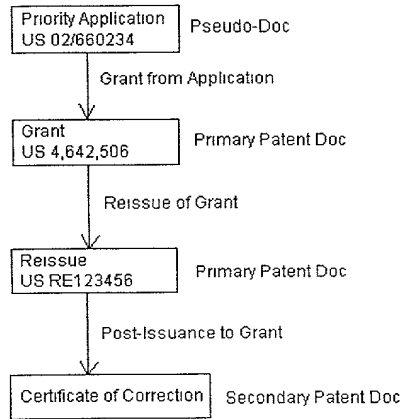


FIG. 33

3401
↓

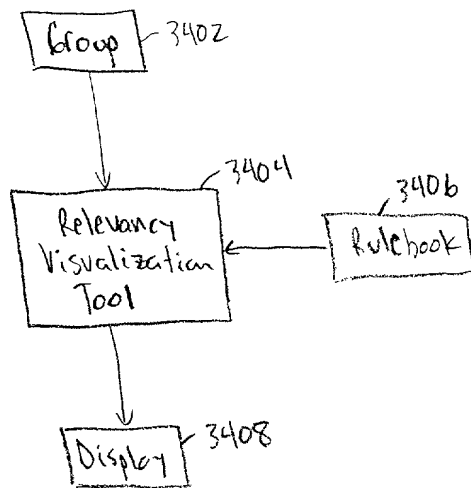


FIG. 34

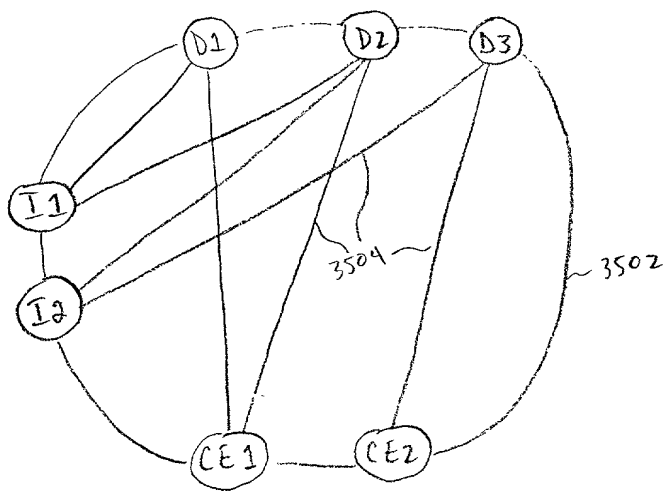
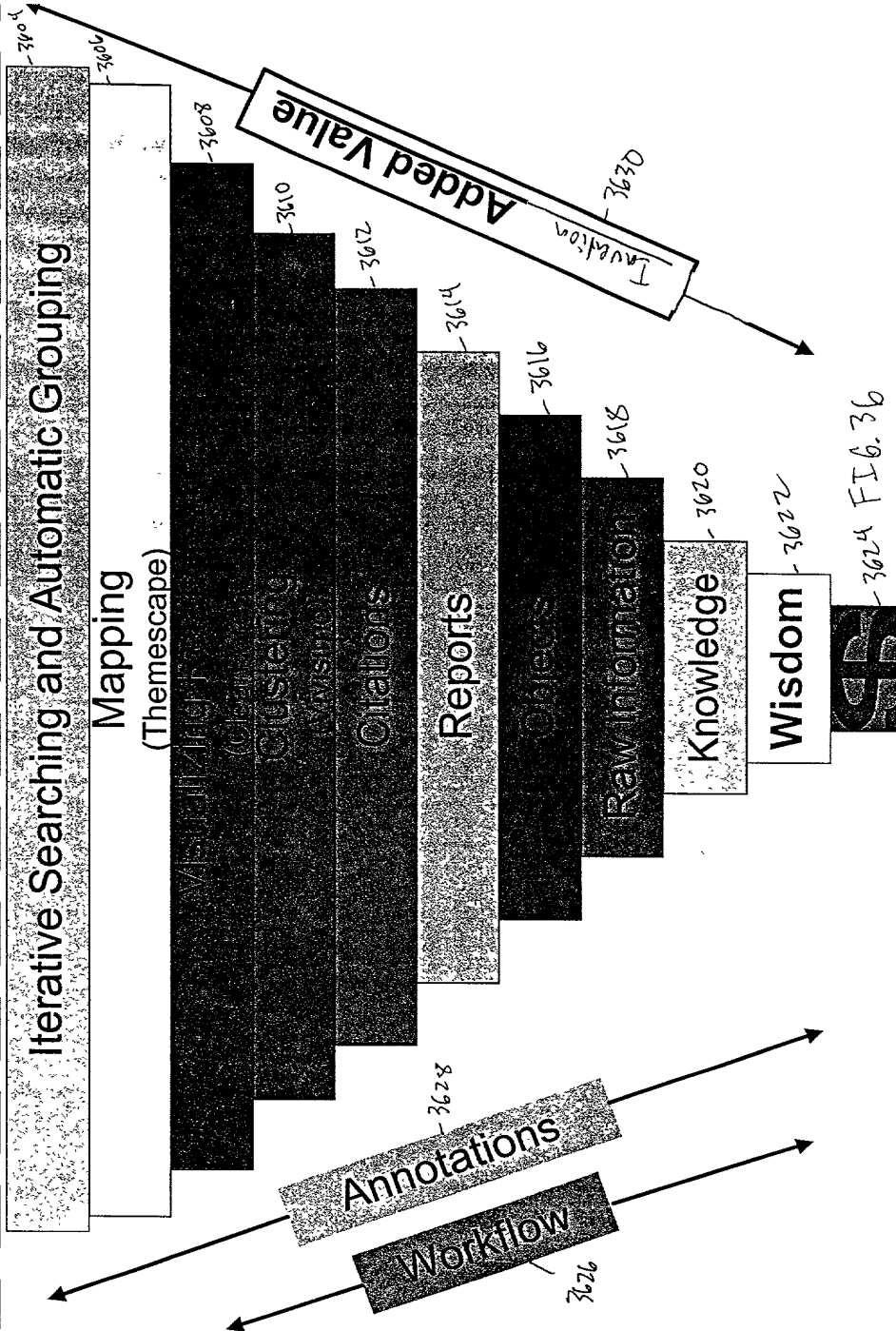


FIG. 35

KNOWLEDGE MANAGEMENT WORKFLOW

Commodity Online Searching



Business Workflow and Analytics Portal

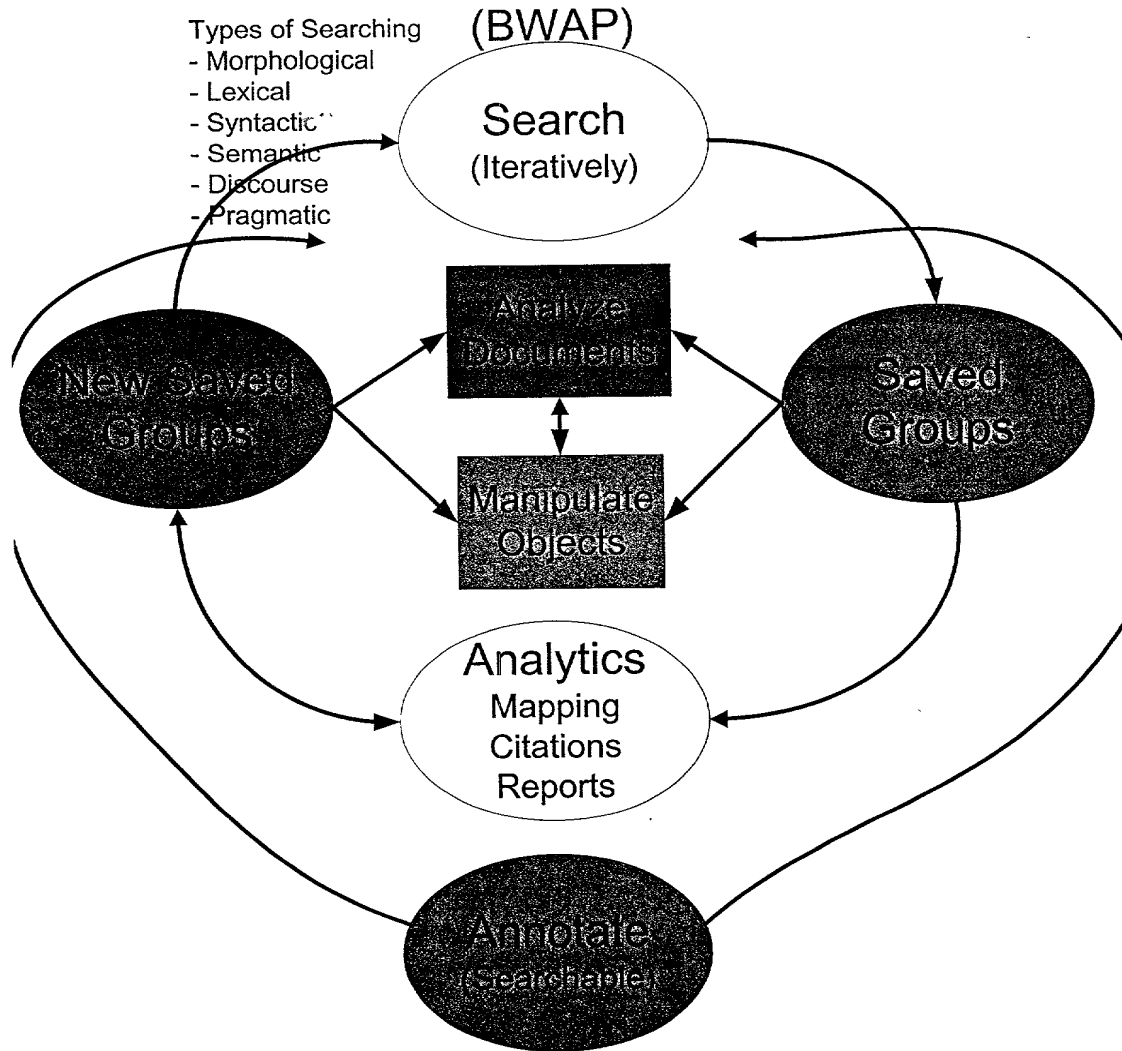


FIG. 3.7